

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: June 30, 2002, 12:48:41 ; Search time 415.2 Seconds
(without alignments)
795.114 Million cell updates/sec

Title: US-09-303-518D-131

Perfect score: 1344
Sequence: 1 atgattaaacacacaaag9.....ccattgaagaagagctga 1344

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS.COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	37.2	2.8	7218	1 US-08-232-463-14	Sequence 14, Appl
2	35.8	2.7	5036	4 US-09-177-349-2	Sequence 2, Appl
3	35.8	2.7	4403765	4 US-09-103-840A-2	Sequence 2, Appl
4	35.8	2.7	4411529	4 US-09-103-840A-1	Sequence 1, Appl
5	35.6	2.6	4403765	4 US-09-103-840A-2	Sequence 2, Appl
6	35.6	2.6	4411529	4 US-09-103-840A-1	Sequence 1, Appl
7	35	2.6	697	4 US-09-450-072-14	Sequence 14, Appl
8	35	2.6	2899	4 US-08-981-392-24	Sequence 24, Appl
9	32.8	2.4	1618	2 US-08-533-669A-9	Sequence 9, Appl
10	32.8	2.4	1618	2 US-08-607-509-1	Sequence 1, Appl
11	32.8	2.4	1618	2 US-08-454-036-1	Sequence 1, Appl
12	32.8	2.4	1618	2 US-08-634-642-1	Sequence 1, Appl
13	32.8	2.4	1618	2 US-08-989-370-1	Sequence 1, Appl
14	32.8	2.4	1618	2 PCT-US95-05064-1	Sequence 1, Appl
15	32.4	2.4	3756	2 US-08-576-626A-1	Sequence 1, Appl
16	32.4	2.4	5559	1 US-08-287-442-3	Sequence 3, Appl
17	32.4	2.4	5559	1 US-08-459-701-3	Sequence 3, Appl
18	32.4	2.4	5559	1 US-08-460-298-3	Sequence 3, Appl
19	32.4	2.4	5559	1 US-08-459-174-3	Sequence 3, Appl
20	32.4	2.4	5559	5 PCT-US93-06300A-3	Sequence 3, Appl
21	32.4	2.4	10763	1 US-08-761-258-1	Sequence 1, Appl
22	32.4	2.4	10763	2 US-08-977-306-1	Sequence 1, Appl
23	32	2.4	1696	1 US-07-887-072B-3	Sequence 3, Appl
24	32	2.4	1696	1 US-08-466-444-3	Sequence 3, Appl
25	31.6	2.4	1155	2 US-08-387-942C-7	Sequence 7, Appl
26	31.4	2.3	1596	1 US-08-531-601-2	Sequence 1, Appl
27	31.4	2.3	1596	2 US-08-859-032-2	Sequence 2, Appl

28	31.4	2.3	1642	3 US-08-993-359-27	Sequence 27, Appl
29	31.4	2.3	6312	1 US-08-531-601-3	Sequence 3, Appl
30	31.4	2.3	6312	2 US-08-859-032-3	Sequence 3, Appl
31	31.2	2.3	1164	3 US-08-968-563-4	Sequence 4, Appl
32	31.2	2.3	1164	3 US-08-969-683A-4	Sequence 4, Appl
33	31.2	2.3	2469	1 US-07-997-133-2	Sequence 2, Appl
34	31.2	2.3	2469	1 US-08-459-296-1	Sequence 1, Appl
35	31.2	2.3	2662	5 US-07-997-133-2	Sequence 2, Appl
36	31.2	2.3	2662	2 US-08-451-822A-14	Sequence 14, Appl
37	31.2	2.3	2733	4 US-08-323-430-14	Sequence 14, Appl
38	31.2	2.3	2733	4 US-08-371-001-14	Sequence 14, Appl
39	31.2	2.3	4133	5 PCT-US96-00331-14	Sequence 14, Appl
40	31.2	2.3	4133	5 PCT-US92-08756A-3	Sequence 3, Appl
41	31.2	2.3	5904	1 US-08-309-512-3	Sequence 3, Appl
42	31.2	2.3	5904	1 PCT-US92-08756A-1	Sequence 1, Appl
43	31.2	2.3	6270	1 US-08-418-883D-25	Sequence 25, Appl
44	31.2	2.3	6270	1 US-08-418-883D-22	Sequence 22, Appl
45	31.2	2.3	12145	3 US-08-968-563-19	Sequence 19, Appl
46	31.2	2.3	12145	3 US-08-969-683A-19	Sequence 5, Appl
47	31.2	2.3	1080	1 US-08-671-525B-5	Sequence 5, Appl
48	31	2.3	1080	1 US-08-672-109B-5	Sequence 5, Appl
49	31	2.3	1080	1 US-08-842-045-5	Sequence 5, Appl
50	31	2.3	1080	1 US-08-842-238-5	Sequence 5, Appl
51	31	2.3	1080	2 US-08-842-238-5	Sequence 5, Appl
52	31	2.3	1080	3 US-08-629-335B-5	Sequence 4, Appl
53	31	2.3	1294	4 US-09-312-038-4	Sequence 26, Appl
54	31	2.3	1981	4 US-08-981-392-26	Sequence 8, Appl
55	31	2.3	2663	4 US-09-312-038-3	Sequence 8, Appl
56	31	2.3	2663	4 US-09-068-740A-8	Sequence 65, Appl
57	30.8	2.2	6681	4 US-08-976-259-65	Sequence 21, Appl
58	30.2	2.2	705	1 US-08-682-218-21	Sequence 4, Appl
59	30.2	2.2	753	1 US-07-612-674-4	Sequence 4, Appl
60	30.2	2.2	1041	1 US-07-612-674-6	Sequence 6, Appl
61	30.2	2.2	1345	1 US-07-612-674-7	Sequence 7, Appl
62	30	2.2	35081	2 US-08-752-760A-1	Sequence 19, Appl
63	29.8	2.2	476	3 US-08-050-259B-19	Sequence 1, Appl
64	29.8	2.2	507	4 US-09-489-292-1	Sequence 1, Appl
65	29.8	2.2	1124	2 US-08-578-551-1	Sequence 1, Appl
66	29.8	2.2	1124	2 US-09-190-982-1	Sequence 1, Appl
67	29.8	2.2	1124	4 US-09-408-257-1	Sequence 1, Appl
68	29.8	2.2	1917	4 US-09-503-172A-1	Sequence 23, Appl
69	29.6	2.2	321	4 US-09-199-637A-232	Sequence 6, Appl
70	29.6	2.2	1512	3 US-08-911-853-6	Sequence 6, Appl
71	29.6	2.2	1512	3 US-09-479-409-6	Sequence 6, Appl
72	29.6	2.2	1512	4 US-09-479-453-6	Sequence 20, Appl
73	29.6	2.2	1947	4 US-09-199-637A-220	Sequence 1, Appl
74	29.6	2.2	2164	4 US-09-318-794A-1	Sequence 29, Appl
75	29.6	2.2	17612	3 US-08-911-853-29	Sequence 29, Appl
76	29.6	2.2	17612	4 US-09-479-409-29	Sequence 29, Appl
77	29.6	2.2	17612	4 US-09-479-453-29	Sequence 29, Appl
78	29.6	2.2	42235	4 US-09-199-637A-1	Sequence 1, Appl
79	29.6	2.2	50937	4 US-09-428-517-1	Sequence 1, Appl
80	29.6	2.2	1365	4 US-09-030-995-1	Sequence 1, Appl
81	29.4	2.2	2163	2 US-07-731-157A-1	Sequence 1, Appl
82	29.4	2.2	2163	2 US-08-541-780-1	Sequence 2, Appl
83	29.4	2.2	36519	3 US-08-923-137-2	Sequence 2, Appl
84	29.4	2.2	36519	3 US-08-923-137-2	Sequence 1, Appl
85	29.4	2.2	80161	3 US-09-036-637A-1	Sequence 1, Appl
86	29.4	2.2	80161	3 US-09-370-700-1	Sequence 3, Appl
87	29.4	2.2	1596	1 US-08-513-841-3	Sequence 3, Appl
88	29.2	2.2	1596	1 US-08-696-834-3	Sequence 3, Appl
89	29.2	2.2	1596	2 US-08-942-673-3	Sequence 3, Appl
90	29.2	2.2	1596	2 US-09-118-317-3	Sequence 3, Appl
91	29.2	2.2	2088	4 US-09-351-414-3	Sequence 1, Appl
92	29.2	2.2	2316	2 US-08-714-677-1	Sequence 1, Appl
93	29.2	2.2	2316	2 US-08-714-677-1	Sequence 1, Appl
94	29.2	2.2	2316	2 US-08-714-537-1	Sequence 1, Appl
95	29.2	2.2	2643	2 US-08-781-802-11	Sequence 11, Appl
96	29.2	2.2	2643	2 US-09-058-260-11	Sequence 11, Appl
97	29.2	2.2	2936	2 US-08-714-677-10	Sequence 10, Appl
98	29.2	2.2	2936	2 US-08-393-540-10	Sequence 10, Appl
99	29.2	2.2	2936	2 US-08-714-537-10	Sequence 10, Appl
100	29.2	2.2	2936	2 US-08-714-537-10	Sequence 10, Appl

ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 2.7%; Score 35.8; DB 4; Length 4403765;
Best Local Similarity 54.1%; Pred. No. 16;
Matches 73; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 415 atccgctgtagatgcgagccgttcgcatctcgtcaatgagtgaccacccg 474
|||||
DB 413713 atccgtgcgaattgctcgagcggttcgcatctcgtcaatgagtgaccacccg 413772
|||||
QY 475 ctggtcgcacccctacgtcatcatcaagaagccgcgaagattcaacgcgagcctg 534
|||||
DB 413773 ctggtcgcacccctacgtcatcatcaagaagccgcgaagattcaacgcgagcctg 413832
|||||

QY 535 ttggtattgagccgc 549
|||||
DB 413833 ctggtgagcgctgcgc 413847
|||||

RESULT 4
US-09-103-840A-1
Sequence 1, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TITLE OF INVENTION: TUBERCULOSIS
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patentln Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 2.7%; Score 35.8; DB 4; Length 4411529;
Best Local Similarity 54.1%; Pred. No. 16;
Matches 73; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 415 atccctgcgtagatgcgagccgttcgcatctcgtcaatgagtgaccacccg 474
|||||
DB 413658 atccgtgcgaattgctcgagcggttcgcatctcgtcaatgagtgaccacccg 413717
|||||
QY 475 ctggtcgcacccctacgtcatcatcaagaagccgcgaagattcaacgcgagcctg 534
|||||
DB 413718 ctggtcgcacccctacgtcatcatcaagaagccgcgaagattcaacgcgagcctg 413777
|||||
QY 535 ttggtattgagccgc 549
|||||
DB 413778 ctggtgagcgctgcgc 413792
|||||

RESULT 5
US-09-103-840A-2/c
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.

APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TITLE OF INVENTION: TUBERCULOSIS
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patentln Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 2.6%; Score 35.6; DB 4; Length 4403765;
Best Local Similarity 57.0%; Pred. No. 18;
Matches 65; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 777 cgagcggtgtgttccttggtgcgagcgtcaagtaacaaacgcgcctcttcgtaccgt 836
|||||
DB 4270822 CGCGAGGTGTGTGCTTCCGCGACATGCCAACGACGTGCGATGCTGTGCGGCGG 4270763
|||||
QY 837 ttggtgtggaagtgtctcaactaccgcgcgagattgttgacgcgagaca 890
|||||
DB 4270762 TTTGGGTGTGGGATGGTAACGCGCATCCGACGCGCTGCGCTGCGGACGA 4270709
|||||

RESULT 6
US-09-103-840A-1/c
Sequence 1, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
TITLE OF INVENTION: TUBERCULOSIS
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patentln Ver. 2.1
SEQ ID NO 1
LENGTH: 4411529
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 2.6%; Score 35.6; DB 4; Length 4411529;
Best Local Similarity 57.0%; Pred. No. 18;
Matches 65; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 777 cgagcggtgtgttccttggtgcgagcgtcaagtaacaaacgcgcctcttcgtaccgt 836
|||||
DB 4278565 CGCGAGGTGTGTGCTTCCGCGACATGCCAACGACGTGCGATGCTGCGGCGG 4278506
|||||
QY 837 ttggtgtggaagtgtctcaactaccgcgcgagattgttgacgcgagaca 890
|||||
DB 4278505 TTTGGGTGTGGGATGGTAACGCGCATCCGACGCGCTGCGCTGCGGACGA 4278452
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RESULT 7
US-09-450-072-14/c
Sequence 14, Application US/09450072

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Query Match      2.68; Score 35; DB 4; Length 697;
Best Local Similarity 46.58; Pred. No. 0.16;
Matches 113; Conservative 0; Mismatches 130; Indels 0; Gaps 0;

```

RESULT 8
US-08-981-392-24/c
; Sequence 24, Application US/08981392
; Patent No. 6262025

GENERAL INFORMATION:
APPLICANT: Ish-Horowicz, David
APPLICANT: Henrique, Domingos Manuel Pinto
APPLICANT: Lewis, Julian Hall
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Gray, Grace
TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES
TITLE OF INVENTION: OF VERTEBRATE DELTA GENES AND METHODS BASED THEREON
NUMBER OF SEQUENCES: 94
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York

1 COUNTRY: USA
 2 ZIP: 10036/2711
 3 COMPUTER READABLE FORM:
 4 MEDIUM TYPE: Diskette
 5 COMPUTER: IBM Compatible
 6 OPERATING SYSTEM: DOS
 7 SOFTWARE: FastSEO Version 2.0
 8 CURRENT APPLICATION DATA:
 9 APPLICATION NUMBER: US/08/981,392
 10 FILING DATE: 22-DEC-1997
 11 CLASSIFICATION: 514

Query Match	2.68;	Score 35;	DB 4;	Length 2899;
Best Local Similarity	37.58;	Pred. No. 0.37;		
Matches 113;	Conservative 29;	Mismatches 159;	Indels 0;	Gaps 0;

OY	999	agaagcttgcggcggttgcgcgcgaacgcggagcaaatactcattcagcgcacactt	1059
Db	693	AGATGGSTCMGTGCAGTACKGSCCTTTCCAGCCAGGGGTGGACAACTTCTCCCMWCKST	634
OY	1059	cggccattctctaaaaaacaacclctcaagttcagcaagccgtlcaacgcgcgcgcacg	1118
Db	633	CCCCRACAGTGAACTGGCCACRAAGCCRCRCRCGCCRGWCGGCGAGMAACAGAGCARCCT	574
OY	1119	cgccatgttaccgcatcgcaactatgacgcgcgaatgcgcgttggaaactctgcactt	1178
Db	573	CTCCGTATGATGTGTCTCATACACRAASGGTARAGTACTKGAGGTGTGTCGCGCCG	514
OY	1179	gctttgcgcgatttaactcgttcgcgcataccgacgcgcgcgcgttgggttcttgta	1238
Db	513	TRCTGTMAAGTCCGTGRGACCAATCTCTCKCCKCCMCTSAAGTCCCTCGRGTGTCGACG	454
OY	1239	atggacgaagaagacctgcgttcttgcagcttgcgtcgcgcgcgcgaatacgaatga	1298
Db	453	GGCTGATGAGCTTTCTTGCGGTTTTCGTTGCCAGGTGCATCRGGAARCTCTGTGGGA	394
OY	1299	c	
Db	393	C	393

RESULT 9
US-08-533-669A-9
; Sequence 9, Application US/08533669A
; Patent No. 5824503

GENERAL INFORMATION:
APPLICANT: Corixa Corporation
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF LEISHMANIASIS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/533,669A
FILING DATE: 22-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:

DB 673 GGGCTTCGGGATCAGATTTCAGAGATCTTCGCTTCGCCGGAAGACATCCAGGTCCG 732
QY 1288 tacgaatacggccgcgtcttgccaaagtctggaacacattggaag 1335
DB 733 CTCCTTCGCCGACGATGCGGAGAGAGGTGCTGCTGAGCTGACAAAGAAG 780

RESULT 14

PCT-US95-05064-1
Sequence 1, Application PC/TUS9505064
GENERAL INFORMATION:
APPLICANT: Corixa, Corporation
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE STIMULATION AND ENHANCEMENT OF
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/05064
FILING DATE: 24-APR-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Kadlecik, Ann T.
REGISTRATION NUMBER: P-39,244
REFERENCE/DOCKET NUMBER: 210121.404PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
TELEX: 3723836 SEDANBERRY
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1618 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 115..1326
PCT-US95-05064-1

Query Match 2.4%; Score 32.8; DB 5; Length 1618;
Best Local Similarity 46.5%; Pred. No. 1.4; 122; Indels 0; Gaps 0;
Matches 106; Conservative 0; Mismatches 0;

QY 1108 gagcgagcgcgcgcacatgtacacgatcgacatgatagcgcgtaatgacgttggaacatc 1167
DB 553 GCGCTGCTGTCGCGCGTGGGACCGCGCGCGTGTCCGACGTGATCAAGACCGCGGCGC 612
QY 1168 ctgcctaccctgtcttgccgacattatcgctggcgataccgacagcgcgacgcttg 1227
DB 613 CTGCGCACCGAGTCCTCGCTGCTGCTGCTGCGACGAGGCTGATGAGATGCTGTCA 672
QY 1228 ggttgcttggaatgagcgaagaagactgctgtgcaagcttgcctgcccgggcaaa 1287
DB 673 GGGCTTCGGGATCAGATTTCAGAGATCTTCGCTTCGCCGGAAGACATCCAGGTCCG 732
QY 1288 tacgaatacggccgcgtcttgccaaagtctggaacacattggaag 1335
DB 733 CTCCTTCGCCGACGATGCGGAGAGAGGTGCTGAGCTGACAAAGAAG 780

RESULT 15

US-08-576-626A-1
Sequence 1, Application US/08576626A

PATENT No. 5998194
GENERAL INFORMATION:
APPLICANT: Summers, R.G.
APPLICANT: Katz, L.
APPLICANT: Donadio, S.
APPLICANT: Staver, M.J.
TITLE OF INVENTION: POLYKETIDE-ASSOCIATED SUGAR
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: Illinois
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/576,626A
FILING DATE: 21-DEC-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dianne Casuto
REGISTRATION NUMBER: P-40,943
REFERENCE/DOCKET NUMBER: 5857.US.O1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (847) 938-3137
TELEFAX: (847) 938-2623
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3756 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-576-626A-1

Query Match 2.4%; Score 32.4; DB 2; Length 3756;
Best Local Similarity 50.6%; Pred. No. 3.2; 76; Indels 0; Gaps 0;
Matches 78; Conservative 0; Mismatches 0;

QY 403 ccgttcagcaaaatccctgcgttagatgcccagccgttgccatcttgtaattgcatg 462
DB 831 CGGCTCGCGGACGACGATGATCGGCGGAGGAGAGAGGTGCTGCTGCGCGGCGCC 890
QY 463 gacacacatccgtcgctgctgcgacccctacggtatcatcaaaaagccgcgaagcttc 522
DB 891 AACCGGACCGCGGAGGTCTTCGCCGAGCCCGACCGCTCGACGTGAGACGCCCGCACGCC 950
QY 523 aaacggcgctgtgtgatttgagcgcgcctgacg 556
DB 951 GACCGCGCGCTGTGCGACATCCGCGGCCACCCCG 984

RESULT 16

US-08-287-442-3/c
Sequence 3, Application US/08287442
PATENT No. 5670350
GENERAL INFORMATION:
APPLICANT: Gathney, Thomas D.
APPLICANT: Lam, Stephen T.
APPLICANT: Ligon, James M.
APPLICANT: Hill, Dwight S.


```

1      TOPOLOGY: linear
2      MOLECULE TYPE: DNA (genomic)
3      HYPOTHETICAL: NO
4      ANTI-SENSE: NO
5      ORIGINAL SOURCE:
6      ORGANISM: Pseudomonas fluorescens
7      STRAIN: CGA267356
8      INDIVIDUAL ISOLATE: 5.6 kb EcoRI-HindIII restriction
9      INDIVIDUAL ISOLATE: fragment
10     IMMEDIATE SOURCE:
11     CLONE: pCIB37
12     FEATURE:
13     NAME/KEY: misc_feature
14     LOCATION: 210..1688
15     OTHER INFORMATION: /note= "ORF 1, transcribed left to
16     OTHER INFORMATION: right"
17     FEATURE:
18     NAME/KEY: misc_feature
19     LOCATION: 1906..3633
20     OTHER INFORMATION: /note= "ORF 2, transcribed left to
21     OTHER INFORMATION: right"
22     FEATURE:
23     NAME/KEY: misc_feature
24     LOCATION: 4616..4691
25     OTHER INFORMATION: /note= "glyw, transcribed right to
26     OTHER INFORMATION: left"
27     FEATURE:
28     NAME/KEY: misc_feature
29     LOCATION: 4731..5318
30     OTHER INFORMATION: /note= "ORF 3, transcribed right to
31     OTHER INFORMATION: left"
32     US-08-459-701-3

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/460,298
FILING DATE: 02-JUN-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/287,442
FILING DATE: 08-AUG-1994
APPLICATION NUMBER: US 08/087,636
FILING DATE: 01-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/908,284
FILING DATE: 02-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/570,184
FILING DATE: 08-AUG-1990
ATTORNEY/AGENT INFORMATION:
NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: CGC 1506/CIP4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8614
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO.: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5559 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Pseudomonas fluorescens
STRAIN: CGA267356
INDIVIDUAL ISOLATE: 5.6 kb EcoRI-HindIII restriction
INDIVIDUAL ISOLATE: fragment
IMMEDIATE SOURCE:
CLONE: pCIB137
FEATURE:
NAME/KEY: misc.feature
LOCATION: 210..1688
OTHER INFORMATION: /note= "ORF 1, transcribed left to
OTHER INFORMATION: right"
FEATURE:
NAME/KEY: misc.feature
LOCATION: 1906..3633
OTHER INFORMATION: /note= "ORF 2, transcribed left to
OTHER INFORMATION: right"
FEATURE:
NAME/KEY: misc.feature
LOCATION: 4616..4691
OTHER INFORMATION: /note= "glyw, transcribed right to
OTHER INFORMATION: left"
FEATURE:
NAME/KEY: misc.feature
LOCATION: 4731..5318
OTHER INFORMATION: /note= "ORF 3, transcribed right to
OTHER INFORMATION: left"

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Qy 62 atgacggccgcgcattaccgaagtcgctgttg9cgaagatatgtcgcgatgcgc 121
Db 3380 CTGTTGTTCTCGCATTCGCCAAGGCGCTGCAGCGGGTCTGGAAGGCTTCGACTTCGCGG 3321
Qy 122 cc 123
Db 3320 CC 3319

RESULT 19
US-08-459-174-3/C
Sequence 3, Application US/08459174
Patent No. 5710031
GENERAL INFORMATION:
APPLICANT: Gaffney, Thomas D.
APPLICANT: Lam, Stephen T.
APPLICANT: Ligon, James M.
APPLICANT: Hill, Dwight S.
APPLICANT: Stein, Jeffrey I.
APPLICANT: Howell, Charles R.
TITLE OF INVENTION: Gene Activating Element
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: New York
COUNTRY: USA
ZIP: 10532
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,174
FILING DATE: 02-JUN-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/287,442
FILING DATE: 08-AUG-1994
APPLICATION NUMBER: US 08/087,636
FILING DATE: 01-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/908,284
FILING DATE: 02-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/570,184
FILING DATE: 08-AUG-1990
ATTORNEY/AGENT INFORMATION:
NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: CGC 1506/CIP4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8614
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5559 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Pseudomonas fluorescens
STRAIN: CGA267356
INDIVIDUAL ISOLATE: 5.6 kb EcoRI-HindIII restriction
INDIVIDUAL ISOLATE: fragment
IMMEDIATE SOURCE:
CLONE: PCIB137

FEATURE:
NAME/KEY: misc_feature
LOCATION: 210..1688
OTHER INFORMATION: /note="ORF 1, transcribed left to
OTHER INFORMATION: right"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1906..3633
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OTHER INFORMATION: right"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 4616..4691
OTHER INFORMATION: /note="glyw, transcribed right to
OTHER INFORMATION: left"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 4731..5318
OTHER INFORMATION: /note="ORF 3, transcribed right to
OTHER INFORMATION: left"
US-08-459-174-3

Query Match 2.4%; Score 32.4; DB 1; Length 5559;
Best Local Similarity 54.1%; Pred. No. 4;
Matches 66; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

Qy 2 tgattaaatcaaaaagtcctaattcgcacatcgcggcagacgcggaagtcattt 61
Db 3440 TGCAATCAGTTCTGTAAGCGCTTCATATCGCATCCGATGCTGTAATGATCAGTGTCA 3381
Qy 62 atgacggccgcgcattaccgaagtcgctgttg9cgaagatatgtcgcgatgcgc 121
Db 3380 CTGTTGTTCTCGCATTCGCCAAGGCGCTGCAGCGGGTCTGGAAGGCTTCGACTTCGCGG 3321
Qy 122 cc 123
Db 3320 CC 3319

RESULT 20
PCT-US93-06300A-3/C
Sequence 3, Application PC/TUS9306300A
GENERAL INFORMATION:
APPLICANT: CIBA-GEIGY AG
APPLICANT: Klybeckstrasse 141
APPLICANT: 4002 Basle
APPLICANT: Switzerland
APPLICANT: 125 Tradescant Road
APPLICANT: Chapel Hill, NC 27514
APPLICANT: USA
APPLICANT: 8900 Jeannew Court
APPLICANT: Raleigh, NC 27613
APPLICANT: USA
APPLICANT: Hill, Dwight Steven
APPLICANT: 311 Melanle Lane
APPLICANT: Cary, NC 27511
APPLICANT: USA
APPLICANT: Stein, Jeffrey I.
APPLICANT: 3725 Surry Trail
APPLICANT: Hillsborough, NC 27278
APPLICANT: USA
APPLICANT: Howell, Charles R.
APPLICANT: 805 Avondale
APPLICANT: Bryan, TX 77802
APPLICANT: USA
APPLICANT: Becker, J. Ole
APPLICANT: 6164 Osevego
APPLICANT: Riverside, CA 92506
APPLICANT: USA
APPLICANT: Ligon, James M.
APPLICANT: 120 Marquette Drive
APPLICANT: Cary, NC 27513

APPLICANT: USA
TITLE OF INVENTION: Gene Activating Element
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: New York
COUNTRY: USA
ZIP: 10532
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/06300A
FILING DATE: 02-JUL-1993
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/908,284
FILING DATE: 02-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: Spruill, W. Murray
REGISTRATION NUMBER: 32,943
REFERENCE/DOCKET NUMBER: S-18210/A/CGC1506/PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919)541-8615
TELEFAX: (919)541-8689
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5559 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Pseudomonas fluorescens
STRAIN: CGA267356
INDIVIDUAL ISOLATE: 5.6 kb EcoRI-HindIII restriction
INDIVIDUAL ISOLATE: fragment
IMMEDIATE SOURCE:
CLONE: pCIB137
FEATURE:
NAME/KEY: misc-feature
LOCATION: 210..1688
OTHER INFORMATION: /note= "ORF 1, transcribed left to
OTHER INFORMATION: right"
FEATURE:
NAME/KEY: misc-feature
LOCATION: 1906..3633
OTHER INFORMATION: /note= "ORF 2, transcribed left to
OTHER INFORMATION: right"
FEATURE:
NAME/KEY: misc-feature
LOCATION: 4616..4691
OTHER INFORMATION: /note= "glyW, transcribed right to
OTHER INFORMATION: left"
FEATURE:
NAME/KEY: misc-feature
LOCATION: 4731..5318
OTHER INFORMATION: /note= "ORF 3, transcribed right to
OTHER INFORMATION: left"
PCT-US93-06300A-3

Query Match 2.4% Score 32.4; DB 5; Length 5559;
Best Local Similarity 54.1%; Pred. No. 4;
Matches 66; Conservative 0; Mismatches 56; Indels 0; Gaps 0;
QY 2 tgattaaatcaaaaaaggtctaatctgcccacgcggcgagaccgagcaagtcattt 61

DB 3440 TCCATCAGTTCGTACCCGCTATATCGCATGCCATGCTCGAATGATCGCTCGTAA 3381
QY 62 atgaagcccgccgacattaccgaagtcgctgtgttggaagaatatgtgcgcgcgc 121
DB 3380 CTGTGTTCCTGGCATGTGCCAAGGCTGCACGGGTGTGTGAAGGCTCGACTTGGCCG 3321
QY 122 cc 123
DB 3320 CC 3319
RESULT 21
US-08-761-258-1/c
Sequence 1, Application US/08761258
Patent No. 5756087
GENERAL INFORMATION:
APPLICANT: Ligon, James M.
APPLICANT: Hill, Dwight S.
APPLICANT: Lam, Stephen T.
APPLICANT: Gaffney, Thomas D.
APPLICANT: Tortkewitz, Nancy
TITLE OF INVENTION: Genetically Modified Pseudomonas Strains
TITLE OF INVENTION: with Enhanced Biocontrol Activity
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ciba-Geigy Corporation
STREET: 520 White Plains Road, P.O. Box 2005
CITY: Tarrytown
STATE: NY
COUNTRY: USA
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/761,258
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919) 541-8587
TELEFAX: (919) 541-8689
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 10763 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Pseudomonas fluorescens
STRAIN: CGA267356 (aka MOCG134 and aka BL915)
IMMEDIATE SOURCE:
CLONE: Plasmid pE11
FEATURE:
NAME/KEY: misc-feature
LOCATION: 210..1688
OTHER INFORMATION: /product= "methyltransferase"
OTHER INFORMATION: /note= "Coding sequence for methyltransferase has homology
OTHER INFORMATION: the chr and frz genes from E. coli and Myxococcus xanthus
OTHER INFORMATION: respectively."
FEATURE:
NAME/KEY: misc-feature
LOCATION: 1906..3633
OTHER INFORMATION: /product= "sensor kinase"
OTHER INFORMATION: /note= "Coding sequence for sensor kinase has homology to

OTHER INFORMATION: rcsC, frzE, and bvgS genes of E. coli, M. xanthus, and
OTHER INFORMATION: Bordetella pertussis, respectively."
FEATURE:
NAME/KEY: misc_RNA
LOCATION: complement (4616..4691)
OTHER INFORMATION: /product="tRNA"
OTHER INFORMATION: /note="(complementary DNA strand) Homology to glyw from E.
OTHER INFORMATION: Coll."
FEATURE:
NAME/KEY: misc_feature
LOCATION: complement (4731..5318)
OTHER INFORMATION: /product=
OTHER INFORMATION: "CDP-diacylglycerol-3-phosphate-3-phosph
OTHER INFORMATION: atdylitran.
OTHER INFORMATION: /note="Coding sequence for
OTHER INFORMATION: CDP-diacylglycerol-3-phosphate-3-phosphatidyltransfe
FEATURE:
NAME/KEY: misc_feature
LOCATION: complement (5574..7397)
OTHER INFORMATION: /product="UVR exonuclease subunit
OTHER INFORMATION: C"
OTHER INFORMATION: /note="Coding sequence for UVR exonuclease subunit C has
OTHER INFORMATION: homology to uvrc."
FEATURE:
NAME/KEY: misc_feature
LOCATION: complement (7400..8041)
OTHER INFORMATION: /function="response
OTHER INFORMATION: regulator/transcription activator"
OTHER INFORMATION: /product="gacA (aka gafa)"
OTHER INFORMATION: /note="Coding sequence for gacA (aka gafa) has homology to
OTHER INFORMATION: uvrc and gacA genes of E. coli and Ps. fluorescens,
OTHER INFORMATION: respectively."
US-08-761-256-1
Query Match 2.4% Score 32.4; DB 1; Length 10763;
Best Local Similarity 54.1%; Pred No. 6;
Matches 66; Conservative 0; Mismatches 56; Indels 0; Gaps 0;
QY 2 tgattaaatcaaaaagctcaatctgcccacatcgcgagcagcagcagcagcattt 61
DB 3440 TGATCAGTTCCTAGCCGTTCTTAATCGCATCGCATGCTGTAATGATCAGTCTGTA 3381
QY 62 atgagcgccgcgcctaccgaagtcggtctgtcggaagaatctggcagatggcc 121
DB 3380 CGTGTCTTCTGCGCATTCGCCAAGGCTGCAGCGGTGCGAGCGCTCGCTTGC CG 3321
QY 122 cc 123
DB 3320 CC 3319
RESULT 22
US-08-977-306-1/c
; Sequence 1, Application US/08977306
; Patent No. 5955348
; GENERAL INFORMATION:
; APPLICANT: Ligon, James M.
; APPLICANT: Hill, Dwight S.
; APPLICANT: Gaffney, Thomas D.
; APPLICANT: Torkewitz, Nancy
; APPLICANT: Stafford, Jill M.
; TITLE OF INVENTION: Genetically Modified Pseudomonas Strains
; TITLE OF INVENTION: With Enhanced Biocontrol Activity
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 5955348artis Corporation
; STREET: 3054 Cornwallis Road
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/977,306
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919) 541-8587
TELEFAX: (919) 541-8689
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 10763 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
MOLECULE TYPE: linear
TOPOLOGY: linear
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Pseudomonas fluorescens
STRAIN: CGA267356 (aka MCGG134 and aka BL915)
IMMEDIATE SOURCE:
CLONE: Plasmid pE11
FEATURE:
NAME/KEY: misc_feature
LOCATION: 210..1688
OTHER INFORMATION: /product="methyltransferase"
OTHER INFORMATION: /note="Coding sequence for methyltransferase has homology
OTHER INFORMATION: the chrA and frzE genes from E. coli and Myxococcus xanthu
OTHER INFORMATION: respectively."
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1906..3633
OTHER INFORMATION: /product="sensor kinase"
OTHER INFORMATION: /note="Coding sequence for sensor kinase has homology to
OTHER INFORMATION: rcsC, frzE, and bvgS genes of E. coli, M. xanthus, and
OTHER INFORMATION: Bordetella pertussis, respectively."
FEATURE:
NAME/KEY: misc_RNA
LOCATION: complement (4616..4691)
OTHER INFORMATION: /product="tRNA"
OTHER INFORMATION: /note="(complementary DNA strand) Homology to glyw from E.
OTHER INFORMATION: Coll."
FEATURE:
NAME/KEY: misc_feature
LOCATION: complement (4731..5318)
OTHER INFORMATION: /product=
OTHER INFORMATION: "CDP-diacylglycerol-3-phosphate-3-phosph
OTHER INFORMATION: atdylitran.
OTHER INFORMATION: /note="Coding sequence for
OTHER INFORMATION: CDP-diacylglycerol-3-phosphate-3-phosphatidyltran
OTHER INFORMATION: se has homology to pgsA."
FEATURE:
NAME/KEY: misc_feature
LOCATION: complement (5574..7397)
OTHER INFORMATION: /product="UVR exonuclease subunit
OTHER INFORMATION: C"
OTHER INFORMATION: /note="Coding sequence for UVR exonuclease subunit C has
OTHER INFORMATION: homology to uvrc."
FEATURE:
NAME/KEY: misc_feature
LOCATION: complement (7400..8041)
OTHER INFORMATION: /function="response
OTHER INFORMATION: regulator/transcription activator"
OTHER INFORMATION: /product="gacA (aka gafa)"
OTHER INFORMATION: /note="Coding sequence for gacA (aka gafa) has homology to
OTHER INFORMATION: uvrc and gacA genes of E. coli and Ps. fluorescens,


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? CITY: ARLINGTON
? STATE: VIRGINIA
? COUNTRY: USA
? ZIP: 22202
?
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentin Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/531,601
? FILING DATE: 21-SEP-1995
? CLASSIFICATION: 435
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: JP HEI 6-233086
? FILING DATE: 28-SEP-1994
? ATTORNEY/AGENT INFORMATION:
? NAME: OBLON, NORMAN F
? REGISTRATION NUMBER: 08/531,601
? REFERENCE/DOCKET NUMBER: 2589-031-0
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (703) 413-3000
? TELEFAX: (703) 413-2220
? TELEX: 248855 OPAT UR
? INFORMATION FOR SEQ ID NO: 2:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1596 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
US-08-531-601-2

Query Match          2.3%; Score 31.4; DB 1; Length 1596;
Best Local Similarity 48.6%; Pred. No. 4;
Matches    86; Conservative   0; Mismatches    91; Indels   0; Gaps   0.

QY      152 tcaaaaagccaaagtgcgtglttgaagaacaaagaatccggcgtagttacttcgcgc 211
        ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB       794 TCAAGCAGCGGTGACAGATCTTGATGAAGCAACAAGTCTTCGTGGATACAAAGTGC 853

QY      212 cgccttaaggacaatacgcgcgtctaacgccgtgacgaagaagcgctacttcagtgcg 271
        || ||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB       854 AATTGGCAATCAAGATCGCTGCCGTTCCACTGCTGTACAAAGTTCCAAAGCATGACGCG 913

QY      272 tgattgcgttgtaaggcaacgacgaatacgaattcgaacgctacgtactcgtaaagcgc 328
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB       914 AGCTCACAGCTGGGTACTTAACCTTACATGATAGAGAGCGGTACAGAACCATAGCAC 970

RESULT 27
; Sequence 2, Application US/08859032
; Patent No. 5863784
; GENERAL INFORMATION:
; APPLICANT: YOSHIGI, NAOHITO
; APPLICANT: MAEBA, HIDEO
; APPLICANT: OKADA, YUKIO
; TITLE OF INVENTION: RECOMBINANT BETA-AMYLASE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MATER & NEUSTADT
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: USA
; ZIP: 22202
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
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US-07-997-133-2

Query Match

Best Local Similarity 2.3%; Score 31.2; DB 1; Length 2469;
Matches 78; Conservative 0; Mismatches 78; Indels 0; Gaps 0;

QY 170 ttttgaagacaaagaatccggcgtagtattactgcgcgcgttcaggaataatcg 229

DB 2393 TGAGAGAAAGAGGAATCCTCCCTGAGAGACAGTCCGGGTGCGGAAAGCTG 2334

QY 230 ccgctattaccgctggcgaaagcgctactcagtcagtcgtagtgcggttgaagca 289

DB 2333 GGGGAGTACTGCTCCAGGGGACAGTCCAGGTACTCCTGTTGAGAGTCAAGGCC 2274

QY 290 acgacgaatcgagtcgaacgctacgtacgtaag 325

DB 2273 ACGATGCGGTCCAGGTCTTCCACACAGCTGTTGAAG 2238

RESULT 34

US-08-459-296-1/C

Sequence 1, Application US/08459296

Patent No. 5670323

GENERAL INFORMATION:

APPLICANT: No. 5670323a, Michael

APPLICANT: Gonzalez, Ana-Maria

APPLICANT: Baird, Andrew

TITLE OF INVENTION: PROCESS FOR DETECTION OF NEOPLASTIC

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: NY

COUNTRY: USA

ZIP: 10036/2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,296

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: MISTOCK, S. Leslie

REGISTRATION NUMBER: 18,872

REFERENCE/DOCKET NUMBER: 7573-024

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-790-9090

TELEFAX: 212-869-8864

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 2469 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

FEATURE:

NAME/KEY: Coding Sequence

LOCATION: 1..2466

OTHER INFORMATION:

US-08-459-296-1

Query Match 2.3%; Score 31.2; DB 1; Length 2469;

Best Local Similarity 50.0%; Pred. No. 6;
Matches 78; Conservative 0; Mismatches 78; Indels 0; Gaps 0;

QY 170 ttttgaagacaaagaatccggcgtagtattactgcgcgcgttcaggaataatcg 229

DB 2393 TGAGAGAAAGAGGAATCCTCCCTGAGAGACAGTCCGGGTGCGGAAAGCTG 2334

QY 230 ccgctattaccgctggcgaaagcgctactcagtcagtcgtagtgcggttgaagca 289

DB 2333 GGGGAGTACTGCTCCAGGGGACAGTCCAGGTACTCCTGTTGAGAGTCAAGGCC 2274

QY 290 acgacgaatcgagtcgaacgctacgtacgtaag 325

DB 2273 ACGATGCGGTCCAGGTCTTCCACACAGCTGTTGAAG 2238

RESULT 35

US-07-997-133-2/C

Sequence 2, Application US/07997133

GENERAL INFORMATION:

APPLICANT: Bergonzoni, Laura

APPLICANT: Mazue, Guy

APPLICANT: Isacchi, Antonella

APPLICANT: Roncucci, Romeo

APPLICANT: Samientos, Paolo

TITLE OF INVENTION: Extracellular Form of the Human

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIR & NEUSTADT,

ADDRESS: P.C.

STREET: 1755 Jefferson Davis Highway, Fourth Floor

CITY: Arlington

STATE: Virginia

ZIP: 22202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/997,133

FILING DATE: 28-DEC-1992

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/642,755

FILING DATE: 18-JAN-1991

ATTORNEY/AGENT INFORMATION:

NAME: OBLON, Norman F.

REGISTRATION NUMBER: 24,618

REFERENCE/DOCKET NUMBER: 769-226-0

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703)521-4500

TELEFAX: (703)486-2347

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 2469 base pairs

TYPE: nucleic acid

STRANDEDNESS: unknown

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

Query Match 2.3%; Score 31.2; DB 5; Length 2469;

Best Local Similarity 50.0%; Pred. No. 6;
Matches 78; Conservative 0; Mismatches 78; Indels 0; Gaps 0;

QY 170 ttttgaagacaaagaatccggcgtagtattactgcgcgcgttcaggaataatcg 229

DB 2393 TGAGAGAAAGAGGAATCCTCCCTGAGAGACAGTCCGGGTGCGGAAAGCTG 2334

QY 230 ccgctattaccgctggcgaaagcgctactcagtcagtcgtagtgcggttgaagca 289

DB 2333 GGGGAGTACTGCTCCAGGGGACAGTCCAGGTACTCCTGTTGAGAGTCAAGGCC 2274

GENERAL INFORMATION:

APPLICANT: Tal, Ronny
APPLICANT: Benzman, Moshe
APPLICANT: Gelfand, David H.
APPLICANT: Ben-Bassat, Arle
APPLICANT: Calhoon, Roger D.
APPLICANT: Wong, Hing C.
TITLE OF INVENTION: CYCLIC DIGUANYLATE METABOLIC ENZYMES
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Penzie & Edmonds
STREET: 2730 Sand Hill Road
CITY: Menlo Park
STATE: California
COUNTRY: U.S.A.
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/309,512
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/800,218
FILING DATE: 29-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bortner, Scott R.
REGISTRATION NUMBER: 34,298
REFERENCE/DOCKET NUMBER: 8145-008
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 854-3660
TELEFAX: (415) 854-3694
TELEX: 66141 PENNTE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5904 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Acetobacter xylinum
US-08-309-512-1

Query Match 2.3%; Score 31.2; DB 1; Length 5904;
Best Local Similarity 48.8%; Pred. No. 10;
Matches 84; Conservative 0; Mismatches 88; Indels 0; Gaps 0;
QY 883 gcggacaacgcggtatcgcggtatgtaacggtgagatgcaagaagcgcgcat 942
DB 2245 gcggacaacgcggtatcgcggtatgtaacggtgagatgcaagaagcgcgcat 942
QY 943 gattattggagcgtaccacatcagattcgttatcgaagaagcgcgcaagaag 1002
DB 2305 caactgcattaccacgagcgagtgccgacaccacagctcgaactcagcggtgtcagagcg 2364
QY 1003 ctgttcgagctgggttgccgagcgagcaagaatactcattcagcgagca 1054
DB 2365 ctgttcgagctgggttgccgagcgagcaagaatactcattcagcgagca 1054
Db 2365 ctgttcgagctgggttgccgagcgagcaagaatactcattcagcgagca 2416

RESULT 43
PCT-US92-08756A-1
; Sequence 1, Application PC/TUS9208756A
; GENERAL INFORMATION:
; APPLICANT: Tal, Ronny
; APPLICANT: Benzman, Moshe

APPLICANT: Gelfand, David H.
APPLICANT: Ben-Bassat, Arle
APPLICANT: Calhoon, Roger D.
APPLICANT: Wong, Hing C.
TITLE OF INVENTION: CYCLIC DIGUANYLATE
METABOLIC ENZYMES
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Limbach and Limbach
STREET: 2001 Ferry Building
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0,
Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/08756A
FILING DATE: 19921014
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/800,218
FILING DATE: 29-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Bortner, Scott R.
REGISTRATION NUMBER: 34,298
REFERENCE/DOCKET NUMBER: WEYR 20050 USA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-433-4150
TELEFAX: 415-433-8716
TELEX: 278356
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5904 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Acetobacter xylinum
PCT-US92-08756A-1

Query Match 2.3%; Score 31.2; DB 5; Length 5904;
Best Local Similarity 48.8%; Pred. No. 10;
Matches 84; Conservative 0; Mismatches 88; Indels 0; Gaps 0;
QY 883 gcggacaacgcggtatcgcggtatgtaacggtgagatgcaagaagcgcgcat 942
DB 2245 gcggacaacgcggtatcgcggtatgtaacggtgagatgcaagaagcgcgcat 942
QY 943 gattattggagcgtaccacatcagattcgttatcgaagaagcgcgcaagaag 1002
DB 2305 caactgcattaccacgagcgagtgccgacaccacagctcgaactcagcggtgtcagagcg 2364
QY 1003 ctgttcgagctgggttgccgagcgagcaagaatactcattcagcgagca 1054
DB 2365 ctgttcgagctgggttgccgagcgagcaagaatactcattcagcgagca 2416

RESULT 44
US-08-418-893D-25
; Sequence 25, Application US/08418893D
; Patent No. 5559220
; GENERAL INFORMATION:
; APPLICANT: ROESSLER, PAUL G
; APPLICANT: OHLSOGE, JOHN B

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? TITLE OF INVENTION: GENE THAT ENCODES ACETYL-COENZYME A
? TITLE OF INVENTION: CARBOXYLASE FROM CYCLOTHELLA CRYPTICA
? NUMBER OF SEQUENCES: 25
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: NATIONAL RENEWABLE ENERGY LABORATORY
? STREET: 1617 Cole Blvd.
? CITY: Golden
? STATE: CO
? COUNTRY: USA
? ZIP: 80401-3393
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? OPERATING SYSTEM: IBM PC compatible
? SOFTWARE: Patentin Release #1.0, Version #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/418,893D
? FILING DATE: April 7, 1995
? CLASSIFICATION: 800
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/104,938
? FILING DATE: September 14, 1993
? CLASSIFICATION: 800
? ATTORNEY/AGENT INFORMATION:
? NAME: O'CONNOR, EDNA
? REGISTRATION NUMBER: 29,252
? REFERENCE/DOCKET NUMBER: MRI/NREL IR# 92-48CON
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 303-231-1000
? TELEFAX: 303-231-1098
? TELEX:
? INFORMATION FOR SEQ ID NO: 25:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 6270 bases
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: DNA
? HYPOTHETICAL: NO
? ANTI-SENSE: NO
? US-08-418-893D-25
?
Query Match 2.3%; Score 31.2; DB 1; Length 6270;
Best Local Similarity 55.6%; Pred.No.11;
Matches 60; Conservative 0; Mismatches 48; Indels 0; Gaps 0.
?
Oy 217 tcaggcaaatcgccgctattcacacgtggcgaagaagcgcgtacttcagtcagtgcgatt 276
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 247 tctgtcgagaccttacctgataatccccgttgtagaaatccgctatttcgtaaatgccctcanc 306
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Oy 277 gccgttgaagcaacgacgaacgaatcgagttcgaaagctagctaccigpa 324
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 307 gccacaacgcatggccgcgcgacaaaagtcattctcttcattgcgtcaa 354
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
?
RESULT 45
US-08-418-893D-22
? Sequence 22, Application US/08418893D
? Patent No. 5559220
? GENERAL INFORMATION:
? APPLICANT: ROESSLER, PAUL G
? APPLICANT: OHROGGER, JOHN B
? TITLE OF INVENTION: GENE THAT ENCODES ACETYL-COENZYME A
? TITLE OF INVENTION: CARBOXYLASE FROM CYCLOTHELLA CRYPTICA
? NUMBER OF SEQUENCES: 25
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: NATIONAL RENEWABLE ENERGY LABORATORY
? STREET: 1617 Cole Blvd.
? CITY: Golden
? STATE: CO
? COUNTRY: USA
? ZIP: 80401-3393
?
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/418,893D
FILING DATE: April 7, 1995
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/104,938
FILING DATE: September 14, 1993
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: O'CONNOR, EDNA
REGISTRATION NUMBER: 29,252
REFERENCE/DOCKET NUMBER: MRI/MREL IR# 92-48CON
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303-231-1000
TELEFAX: 303-231-1098
TELEX:
INFORMATION FOR SEQ ID NO.: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 6790 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-418-893D-22

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